

## PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

To:  
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PCT

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY  
(PCT Rule 43bis.1)

		Date of mailing (day/month/year) <b>27 OCTOBER 2005 (27.10.2005)</b>
Applicant's or agent's file reference pct/kosn0507		<b>FOR FURTHER ACTION</b> See paragraph 2 below
International application No. <b>PCT/KR2005/002175</b>	International filing date (day/month/year) <b>07 JULY 2005 (07.07.2005)</b>	Priority date(day/month/year) <b>16 JULY 2004 (16.07.2004)</b>
International Patent Classification (IPC) or both national classification and IPC <b>IPC7 H05B 3/20</b>		
Applicant <b>KOSN CO., LTD. et al</b>		

## 1. This opinion contains indications relating to the following items:

<input checked="" type="checkbox"/>	Box No. I Basis of the opinion
<input type="checkbox"/>	Box No. II Priority
<input type="checkbox"/>	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
<input type="checkbox"/>	Box No. IV Lack of unity of invention
<input checked="" type="checkbox"/>	Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
<input type="checkbox"/>	Box No. VI Certain documents cited
<input type="checkbox"/>	Box No. VII Certain defects in the international application
<input type="checkbox"/>	Box No. VIII Certain observations on the international application

## 2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date; whichever expires later.

For further options, see Form PCT/ISA/220.

## 3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/KR  Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea Facsimile No. 82-42-472-7140	Date of completion of this opinion <b>25 OCTOBER 2005 (25.10.2005)</b>	Authorized officer KIM, Tac Geun Telephone No.82-42-481-8111
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WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/KR2005/002175

Box No. I Basis of this opinion

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

This opinion has been established on the basis of a translation from the original language into the following language \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).

2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

a. type of material

a sequence listing  
 table(s) related to the sequence listing

b. format of material

on paper  
 in electronic form

c. time of filing/furnishing

contained in the international application as filed.  
 filed together with the international application in electronic form.  
 furnished subsequently to this Authority for the purposes of search.

3.  In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/KR2005/002175

**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement**

Novelty (N)	Claims	1 - 9	YES
	Claims	none	NO
Inventive step (IS)	Claims	1 - 9	YES
	Claims	none	NO
Industrial applicability (IA)	Claims	1 - 9	YES
	Claims	none	NO

**2. Citations and explanations :**

The present invention relates to a surface type heating element comprising rayon-based carbon yarn, metallic yarn, and transparent synthetic resin film, all of which interwoven with polyester yarn, and a roll screen type home sauna apparatus using the same.

Reference is made to the following documents from the international search report.

D1 : JP 11-283731 A

D2 : JP 10-69963 A

- D1 discloses a heat generating fabric including conductive wires interwoven with carbon fiber.
- D2 discloses a plane heating element with carbon fibers and glass fibers interwoven.

None of the above documents anticipates rayon based carbon yarn, metallic yarn, and transparent synthetic resin film interwoven with polyester yarn; or makes them obvious to a person skilled in the art.

Accordingly the subject matter of claims 1 through 9 appears to be novel, and involve an inventive step. (PCT Article 33(2) and 33(3))

The industrial applicability of the subject matter of claims 1 through 9 is self-evident. (PCT Article 33(4))